



SCANNED

# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF ENVIRONMENTAL QUALITY

TIDEWATER REGIONAL OFFICE

5636 Southern Boulevard, Virginia Beach, Virginia 23462

(757) 518-2000 Fax (757) 518-2103

www.deq.virginia.gov

L. Preston Bryant, Jr.  
Secretary of Natural Resources

David K. Paylor  
Director

Francis L. Daniel  
Regional Director

Permit No: VA0021288  
Effective Date: September 21, 2009  
Expiration Date: September 20, 2014

### AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

### THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act as amended and pursuant to the State Water Control Law and regulations adopted pursuant thereto, the following owner is authorized to discharge in accordance with the information submitted with the permit application, and with this permit cover page, and Parts I and II of this permit, as set forth herein.

Owner: Town of Cape Charles  
Facility Name: Cape Charles WWTP  
City: Cape Charles  
County: Northampton  
Facility Location: 1270 Bayshore Road, Cape Charles, VA 23310

The owner is authorized to discharge to the following receiving stream:

Stream: Cape Charles Harbor  
River Basin: Chesapeake Bay, Atlantic Ocean, Small Coastal  
River Subbasin: NA  
Section: 2  
Class: 11  
Special Standards: a, NEW-20

Francis L. Daniel

September 21, 2009  
Date

PART I

A. INTERIM LIMITATIONS AND MONITORING REQUIREMENTS

- During the period beginning with the permit's effective date and lasting until the issuance of a CTO for the upgraded plant, the permittee is authorized to discharge from outfall(s): 001 (WWTP).

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS			DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
	Monthly Average	Weekly Average	Minimum	Maximum	Frequency	Sample Type	
Flow (MGD) [2]	NL	NA	NA	NL	Continuous	Totalizing, Indicating & Recording Equipment	
pH (S.U.)	NA	NA	6.0	9.0	1/Day	Grab	
CBOD <sub>5</sub> (mg/l; kg/d) [a]	30	45	NA	NA	3D/Week	8-Hr. comp	
Total Suspended Solids (mg/l; kg/d) [a]	30	45	NA	NA	3D/Week	8-Hr. comp	
Dissolved Oxygen (mg/l)	NA	NA	5.0	NA	1/Day	Grab	
Fecal Coliform (N/CML)	200	NA	NA	NA	3D/Week	Grab	
Enterococci (N/100ml)	35	NA	NA	NA	(Between 10 AM & 4 PM)	Grab	
Ammonia Nitrogen (NH3-N) (mg/l) [a]	2.4	2.4	NA	NA	3D/Week (between 10am and 4 pm)	Grab	
					1/Month	8-Hr. comp	

PART I

A. LIMITATIONS AND MONITORING REQUIREMENTS - Outfall 001 (Continued)

NA = Not Applicable.

NL = No limitation, however, reporting is required.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] See Parts I.B.8 and I.B.9. for quantification levels and reporting requirements, respectively.

2. The design flow of this treatment facility is 0.25 MGD.
3. There shall be no discharge of floating solids or visible foam in other than trace amounts.
4. At least 85% removal for BOD and TSS must be attained for this effluent.

In addition to any Total Nitrogen or Total Phosphorus concentration limits listed above, this facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number VAN05001, enforceable under the General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Cape Charles Town - Wastewater Treatment Plant  
ADDRESS 2 Plum St  
Cape Charles VA 23310  
FACILITY 1270 Bayshore Rd, Cape Charles, VA 23310  
LOCATION

VA0021288

PERMIT NUMBER

001

DISCHARGE NUMBER

MONITORING PERIOD

YEAR MO DAY TO  
YEAR MO DAY

FROM

Final  
Limits,  
Specified upon  
Issuance of CTO  
for new plant

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION		
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM
001 FLOW	REPORTD			*****	*****	*****
	REQRMNT	0.25	NL	*****	*****	*****
002 PH	REPORTD	*****			*****	
	REQRMNT	*****		6.0	*****	9.0
004 TSS	REPORTD			*****		
	REQRMNT	9.5	KG/D	*****	10	15
006 COLIFORM, FECAL	REPORTD	*****		*****		*****
	REQRMNT	*****		*****	200	*****
007 DO	REPORTD	*****		*****	*****	*****
	REQRMNT	*****		5.0	*****	*****
012 PHOSPHORUS, TOTAL (AS P)	REPORTD	*****		*****		*****
	REQRMNT	*****		*****	NL	*****
013 NITROGEN, TOTAL (AS N)	REPORTD	*****		*****		*****
	REQRMNT	*****		*****	NL	*****
039 AMMONIA, AS N	REPORTD	*****		*****		*****
	REQRMNT	*****		*****	2.4	2.4

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

QUS: Ammonia-2.0 mg/l; CBOD5-5 mg/l; TSS-1.0 mg/l; Total Phos.-0.10 mg/l; Total Nit-2.0

BYPASSES AND OVERFLOWS		TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. &amp; 1001 AND 33 U.S.C. &amp; 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</p>					TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
					PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		
					TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)  
NAME Cape Charles Town - Wastewater Treatment Plant  
ADDRESS 2 Plum St  
Cape Charles  
VA 23310  
FACILITY 1270 Bayshore Rd, Cape Charles, VA 23310  
LOCATION

Municipal Minor 08/13/2009  
DEPT. OF ENVIRONMENTAL QUALITY  
(REGIONAL OFFICE)  
Tidewater Regional Office  
5636 Southern Boulevard  
Virginia Beach VA 23462

VA0021288	001				
PERMIT NUMBER	DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS  
BEFORE COMPLETING THIS FORM.

FROM

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
140 ENTEROCOCCI	*****	*****		*****		*****			
	*****	*****		*****	35	*****		3D/W	GRAB
159 CBOD5				*****					
	9.5	14	KG/D	*****	10	15		3D/W	8HC
803 NITROGEN, TOTAL - ANNUAL AVERAGE (MG/L)	*****	*****		*****		*****			
	*****	*****		*****	4.0	*****		1/YR	CALC
805 NITROGEN, TOTAL (AS N) (YEAR-TO-DATE)	*****	*****		*****		*****			
	*****	*****		*****	NL	*****		1/M	CALC
806 PHOSPHORUS, TOTAL (AS P) (YEAR-TO-DATE)	*****	*****		*****		*****			
	*****	*****		*****	NL	*****		1/M	CALC
811 PHOSPHORUS, TOTAL - ANNUAL AVERAGE (MG/L)	*****	*****		*****		*****			
	*****	*****		*****	0.30	*****		1/YR	CALC
REPORTD									
								*****	
REPORTD									
								*****	
REPORTD									
								*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

Q1s: Ammonia-2.0 mg/l; CBOD5-5 mg/l; TSS-1.0 mg/l; Total Phos.-0.10 mg/l; Total Nit-2.0

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE						
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY			
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE							
				TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY			

THIS REPORT IS REQUIRED BY LAW (33 U. S. C. § 1318 40 CFR 122.41(l)(4)(i)). FAILURE TO REPORT OR FAILURE TO REPORT TRUTHFULLY CAN RESULT IN CIVIL PENALTIES NOT TO EXCEED \$10,000 PER DAY OF VIOLATION: OR IN CRIMINAL PENALTIES NOT TO EXCEED \$25,000 PER DAY OF VIOLATION OR BY IMPRISONMENT FOR NOT MORE THAN FIVE YEARS, OR BOTH.

### GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces are blank or a limitation appears, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and, if appropriate, maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading".  
 $\text{KG/DAY} = \text{Concentration}(\text{mg/l}) \times \text{Flow}(\text{MGD}) \times 3.785$ .
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. Enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex.".
7. Enter the actual frequency of analysis for each parameter (number of times per day, week, month) in the "reported" space in the column marked "Frequency of Analysis".
8. Enter the actual type of sample collected for each parameter in the "reported" space in the column marked "Sample Type".
9. Enter additional required data or comments in the space marked "additional permit requirements or comments".
10. Record the number of bypasses during the month, the total flow in million gallons and BOD5 in kilograms in the proper columns in the section marked "Bypasses and Overflows".
11. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator, the operator's certificate number should be reported in the space provided.
12. The principal executive officer should then review the form and sign in the space provided and provide a telephone number where he/she can be reached.
13. You are required to sample at the frequency and type indicated in your permit.
14. Send the completed form to your Dept. of Environmental Quality Regional Office by the 10th of each month.
15. You are required to retain a copy of the report for your records.
16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each violation by date.
17. If you have any questions, contact the Dept. of Environmental Quality Regional Office.

PART I

A. FINAL LIMITATIONS AND MONITORING REQUIREMENTS

- During the period beginning with the issuance of a CTO for the upgraded plant and lasting until the permit's expiration, the permittee is authorized to discharge from outfall(s): 001 (WWTP).

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS			DISCHARGE LIMITATIONS			MONITORING REQUIREMENTS	
Type	Monthly Average	Weekly Average	Minimum	Maximum	Frequency	Sample	
Flow (MGD) [2]	NL	NA	NA	NL	Continuous	Totalizing, Indicating & Recording Equipment Grab	
pH (S.U.)	NA	NA	6.0	9.0	1/Day	8-Hr. comp	
CBOD <sub>5</sub> (mg/l; kg/d) [a]	10	15	NA	NA	3D/Week		
Total Suspended Solids (mg/l; kg/d) [a]	10	15	NA	NA	3D/Week	8-Hr. comp	
Dissolved Oxygen (mg/l)	NA	NA	5.0	NA	1/Day		
Fecal Coliform (N/CML)	200	NA	NA	NA	3D/Week (Between 10 am & 4 PM)	Grab	
Enterococci (N/100ml)	35	NA	NA	NA	3D/Week (between 10am and 4 pm)		
Ammonia Nitrogen (NH <sub>3</sub> -N) (mg/l) [a]	2.4	2.4	NA	NA	1/Month	8-Hr. comp	
Total Nitrogen (mg/l) [a]	NL	NA	NA	NA	1/Month	8-Hr. comp	
Total Nitrogen							
Year-to-Date (mg/l) [b]	NL	NA	NA	NA	1/Month	Calculated	
Total Nitrogen - Calendar Year (mg/l) [b]	[c]	NA	NA	NA	1/Year	Calculated	
Total Phosphorus (mg/l) [a]	NL	NA	NA	NA	1/Month	8-Hr. comp	
Total Phosphorus							
Year-to-Date (mg/l) [b]	NL	NA	NA	NA	1/Month	Calculated	
Total Phosphorus - Calendar Year (mg/l) [b]	[c]	NA	NA	NA	1/Year	Calculated	

PART I

A. LIMITATIONS AND MONITORING REQUIREMENTS - Outfall 001 (Continued)

NA = Not Applicable.

NL = No limitation, however, reporting is required.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

[a] See Parts I.B.8 and I.B.9. for quantification levels and reporting requirements, respectively.

[b] See Part I.B.12 for additional instructions regarding total nitrogen and total phosphorus.

[c] Annual average limitation, based on a calculation of all samples collected during the calendar year.

2. The design flow of this treatment facility is 0.25 MGD.

3. There shall be no discharge of floating solids or visible foam in other than trace amounts.

4. At least 85% removal for BOD and TSS must be attained for this effluent.

In addition to any Total Nitrogen or Total Phosphorus concentration limits listed above, this facility has Total Nitrogen and Total Phosphorus calendar year load limits associated with this outfall included in the current Registration List under registration number VAN05001, enforceable under the General VPDES Watershed Permit Regulation for Total Nitrogen and Total Phosphorus Discharges and Nutrient Trading in the Chesapeake Watershed in Virginia.



PART I

A. LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the issuance of a CTO for the upgraded plant and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) serial number(s): 101 (internal discharge from potable water backwash system to the polishing pond and outfall 001. The monitoring point shall be at the cascade aeration point prior to mixing with outfall 001.)

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Minimum	Maximum	Frequency	Sample Type
Flow (MGD)	NA	NL	1/Month	Estimate
pH (S.U.)	6.0	9.0	1/Month	Grab
Total Suspended				
Solids (mg/l) [a]	NA	NL	1/Month	Grab
Enterococci (n/cml)	NA	35	1/Month	Grab

NA = Not Applicable

NL = No limit, however, reporting is required

[a] See Parts I.B.8. and I.B.9. for quantification levels and reporting requirements, respectively.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE MONITORING REPORT(DMR)**

08/13/2009

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Cape Charles Town - Wastewater Treatment Plant  
ADDRESS 2 Plum St  
Cape Charles  
VA 23310  
FACILITY 1270 Bayshore Rd, Cape Charles, VA 23310  
LOCATION

VA0021288	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

FROM

12

IONS

*Interim Limits-  
Until CTO  
See  
New Plant  
Is Issued*

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CON			REMARKS
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE		
001 FLOW				*****	*****	*****	
	0.25	NL	MGD	*****	*****	*****	CONT REC
002 PH	*****	*****		*****	*****	*****	
	*****	*****		6.0	*****	9.0	1/DAY GRAB
004 TSS				*****	*****	*****	
	28	43	KG/D	*****	30	45	3D/W 8HC
006 COLIFORM, FECAL	*****	*****		*****	*****	*****	
	*****	*****		*****	200	*****	3D/W GRAB
007 DO	*****	*****		*****	*****	*****	
	*****	*****		5.0	*****	*****	1/DAY GRAB
039 AMMONIA, AS N	*****	*****		*****	*****	*****	
	*****	*****		*****	2.4	2.4	1/M 8HC
140 ENTEROCOCCI	*****	*****		*****	*****	*****	
	*****	*****		*****	35	*****	3D/W GRAB
159 CBOD5				*****	*****	*****	
	28	43	KG/D	*****	30	45	3D/W 8HC

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS  
QLE: Ammonia-2.0 mg/l; CBOD5-5 mg/l; TSS-1.0 mg/l; Total Phos.-0.10 mg/l; Total Nit-2.0

BYPASSES AND OVERFLOWS		TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE						
<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. &amp; 1001 AND 33 U.S.C. &amp; 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</p>					TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY			
					PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE					
					TYPED OR PRINTED NAME	SIGNATURE			YEAR	MO.	DAY		

THIS REPORT IS REQUIRED BY LAW (33 U. S. C. § 1318 40 CFR 122.41(l)(4)(i)). FAILURE TO REPORT OR FAILURE TO REPORT TRUTHFULLY CAN RESULT IN CIVIL PENALTIES NOT TO EXCEED \$10,000 PER DAY OF VIOLATION: OR IN CRIMINAL PENALTIES NOT TO EXCEED \$25,000 PER DAY OF VIOLATION OR BY IMPRISONMENT FOR NOT MORE THAN FIVE YEARS, OR BOTH.

### GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces are blank or a limitation appears, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and, if appropriate, maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading".  
 $\text{KG/DAY} = \text{Concentration (mg/l)} \times \text{Flow (MGD)} \times 3.785$ .
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. Enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex.".
7. Enter the actual frequency of analysis for each parameter (number of times per day, week, month) in the "reported" space in the column marked "Frequency of Analysis".
8. Enter the actual type of sample collected for each parameter in the "reported" space in the column marked "Sample Type".
9. Enter additional required data or comments in the space marked "additional permit requirements or comments".
10. Record the number of bypasses during the month, the total flow in million gallons and BOD5 in kilograms in the proper columns in the section marked "Bypasses and Overflows".
11. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator, the operator's certificate number should be reported in the space provided.
12. The principal executive officer should then review the form and sign in the space provided and provide a telephone number where he/she can be reached.
13. You are required to sample at the frequency and type indicated in your permit.
14. Send the completed form to your Dept. of Environmental Quality Regional Office by the 10th of each month.
15. You are required to retain a copy of the report for your records.
16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each violation by date.
17. If you have any questions, contact the Dept. of Environmental Quality Regional Office.

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Cape Charles Town - Wastewater Treatment Plant  
ADDRESS 2 Plum St  
Cape Charles VA 23310  
FACILITY 1270 Bayshore Rd, Cape Charles, VA 23310  
LOCATION

VA0021288  
PERMIT NUMBER

101  
DISCHARGE NUMBER

MONITORING PERIOD  
YEAR MO DAY YEAR MO DAY  
TO

FROM

PARAMETER	QUANTITY OR LOADING				QUALITY OR CONCENTRATION				UNITS	ANALYSIS	TITLE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MINIMUM			
001 FLOW	*****	*****		*****	*****						
	*****	*****		*****	*****	NL	MG/D		1/M	EST	
002 PH	*****	*****			*****						
	*****	*****		6.0	*****	9.0	SU		1/M	GRAB	
004 TSS	*****	*****		*****	*****						
	*****	*****		*****	*****	NL	MG/L		1/M	GRAB	
140 ENTEROCOCCI	*****	*****		*****	*****						
	*****	*****		*****	*****	35	N/CML		1/M	GRAB	
										*****	
										*****	
										*****	
										*****	
										*****	
										*****	
										*****	
										*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS  
QL:TSS 1.0 mg/l

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE					
<p>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. &amp; 1001 AND 33 U.S.C. &amp; 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)</p>				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY		
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE			
				TYPED OR PRINTED NAME	SIGNATURE		YEAR		MO.	DAY	

THIS REPORT IS REQUIRED BY LAW (33 U. S. C. § 1318 40 CFR 122.41(l)(4)(i)). FAILURE TO REPORT OR FAILURE TO REPORT TRUTHFULLY CAN RESULT IN CIVIL PENALTIES NOT TO EXCEED \$10,000 PER DAY OF VIOLATION: OR IN CRIMINAL PENALTIES NOT TO EXCEED \$25,000 PER DAY OF VIOLATION OR BY IMPRISONMENT FOR NOT MORE THAN FIVE YEARS, OR BOTH.

### GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces are blank or a limitation appears, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and, if appropriate, maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading".  
 $\text{KG/DAY} = \text{Concentration(mg/l)} \times \text{Flow(MGD)} \times 3.785$ .
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. Enter the number of samples which do not comply with the maximum and /or minimum permit requirements in the "reported" space in the column marked "No. Ex."
7. Enter the actual frequency of analysis for each parameter (number of times per day, week, month) in the "reported" space in the column marked "Frequency of Analysis".
8. Enter the actual type of sample collected for each parameter in the "reported" space in the column marked "Sample Type".
9. Enter additional required data or comments in the space marked "additional permit requirements or comments".
10. Record the number of bypasses during the month, the total flow in million gallons and BOD5 in kilograms in the proper columns in the section marked "Bypasses and Overflows".
11. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator, the operator's certificate number should be reported in the space provided.
12. The principal executive officer should then review the form and sign in the space provided and provide a telephone number where he/she can be reached.
13. You are required to sample at the frequency and type indicated in your permit.
14. Send the completed form to your Dept. of Environmental Quality Regional Office by the 10th of each month.
15. You are required to retain a copy of the report for your records.
16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each violation by date.
17. If you have any questions, contact the Dept. of Environmental Quality Regional Office.

B. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1. Sludge Reopener

The State Water Control Board may promptly modify or revoke and reissue this permit if any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the Clean Water Act is more stringent than any requirements for sludge use or disposal in this permit, or controls a pollutant or practice not limited in this permit.

2. Nutrient Enriched Waters Reopener for Dischargers to the Chesapeake Bay Watershed

This permit may be modified or, alternatively, revoked and reissued to incorporate new or alternative nutrient limitations and/or monitoring requirements should the State Water Control Board adopt new nutrient standards for the waterbody receiving the discharge, including the Chesapeake Bay or its tributaries, or if a future water quality regulation or statute requires new or alternative nutrient control.

3. Total Maximum Daily Load (TMDL) Reopener

This permit shall be modified or, alternatively, revoked and reissued if any approved wasteload allocation procedure, pursuant to Section 303(d) of the Clean Water Act, imposes wasteload allocations, limits or conditions on the facility that are not consistent with the permit requirements.

4. Licensed Operator Requirement

The permittee shall employ or contract at least one Class III licensed wastewater works operator for this facility. The license shall be issued in accordance with Title 54.1 of the Code of Virginia and the regulations of the State Water Control Board for Waterworks and Wastewater Works Operators. The permittee shall notify the Tidewater Regional Office in writing whenever he is not complying, or has grounds for anticipating he will not comply with this requirement. The notification shall include a statement of reasons and a prompt schedule for achieving compliance.

Upon issuance of the CTO for the upgraded treatment facility, a Class II licensed operator will be required.

5. Reliability Class

The permitted treatment works shall meet a Reliability Class I.

6. CTC, CTO and O & M Manual Requirements (Municipal)

The permittee shall, in accordance with the DEQ Sewage Collection and Treatment Regulations, obtain a **Certificate to Construct (CTC)**, and a **Certificate to Operate (CTO)** from the DEQ Regional Office prior to constructing wastewater treatment facilities and operating the facilities, respectively.

The permittee shall review the existing O & M Manual and notify the DEQ Regional Office, in writing, that it is still current. This O&M Manual shall be developed in accordance with the Sewage Collection and Treatment Regulations. Additional items shall include descriptions of the treatment works operations and its contributing sources, and practices necessary to achieve compliance with this permit. If the O & M Manual is no longer current, a revised O & M Manual shall be submitted for approval to the DEQ Regional Office. Future changes to the facility must be addressed by the submittal of a revised O & M Manual within 90 days of the changes.

Noncompliance with the CTC, CTO, or the O & M Manual shall be deemed a violation of the permit.

**Letter/Revised Manual Due: No later than April 10, 2010**

7. 95% Design Capacity Notification

A written notice and a **plan of action** for ensuring continued compliance with the terms of this permit shall be submitted to the DEQ Tidewater Regional Office when the monthly average flow influent to the sewage treatment plant reaches 95 percent of the design capacity authorized in this permit for each month of any three consecutive month period. The written notice shall be submitted within 30 days and the plan of action shall be received at the DEQ

Tidewater Regional Office no later than 90 days from the third consecutive month for which the flow reached 95 percent of the design capacity. The plan shall include the necessary steps and a prompt schedule of implementation for controlling any current or reasonably anticipated problem resulting from high influent flows. Failure to submit an adequate plan in a timely manner shall be deemed a violation of this permit.

8. Quantification Levels Under Part I.A.

- a. The maximum quantification levels (QL) shall be as follows:

<u>Effluent Characteristic</u>	<u>Quantification Level</u>
CBOD	5 mg/l
TSS	1.0 mg/l
Phosphorus	0.1 mg/l
Nitrogen	2.0 mg/l
Ammonia	2.0 mg/l

- b. The permittee may use any approved method which has a QL equal to or lower than the (QL) listed in I.B.8.a above. The QL is defined as the lowest concentration used to calibrate a measurement system in accordance with the procedures published for the method.

9. Compliance Reporting Under Part I.A.

- a. Monthly Average - Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.B.8.a shall be determined as follows: All data below the quantification level (QL) listed in Part I.B.8. above shall be treated as zero. All data equal to or above the QL listed in Part I.B.8. above shall be treated as it is reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, for the month. This arithmetic average shall be reported on the DMR as calculated. If all data are below the QL, then the average shall be reported as <QL.
- b. Maximum Weekly Average - Compliance with the weekly average limitations and/or reporting requirements for the parameters listed in Part I.B.8.a shall be determined as follows: All data below the quantification level (QL) listed in Part I.B.8.a above shall be treated as zero. All data equal to or above the QL shall be treated as reported. An arithmetic



average shall be calculated using all reported data, including the defined zeros, collected within each complete calendar week and contained within the reporting month. The maximum value of the weekly averages thus determined shall be reported on the Discharge Monitoring report (DMR). If all data are below the QL, then the average shall be reported as <QL.

- b. Daily Maximum - Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.B.8.a. shall be determined as follows: All data below the quantification level (QL) listed in Part I.B.8.a. above shall be treated as zero. All data equal to or above the QL shall be treated as reported. An arithmetic average of the values shall be calculated using all reported data, including the defined zeros, collected for each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the Daily Maximum. If all data are below the QL, then the average shall be reported as <QL.
- c. Any single datum required shall be reported as "<QL" if it is less than the QL listed in Part I.B.8.a. above. Otherwise, the numerical value shall be reported.
- d. Where possible, all limit values on the Part I.A. limits page(s) are expressed in two significant figures. As a result, single, trailing zeros occurring after any single digit are significant. Effluent limits of 10 or greater are rounded to two significant whole numbers, with the exception that loading limits are expressed as whole numbers.
- e. The permittee shall report at least the same number of significant figures as the permit limit for a given parameter. Regardless of the rounding convention used (i.e., 5 always rounding up or to the nearest even number) by the permittee, the permittee shall use the convention consistently, and shall ensure that consulting laboratories employed by the permittee use the same convention.

10. Indirect Dischargers

The permittee shall provide adequate notice to the DEQ Tidewater Regional Office of the following:

- a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Section 301 or 306 of Clean Water Act and the State Water Control Law if it were directly discharging those pollutants; and
- b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of this permit.

Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the treatment works, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the treatment works.

11. Sludge Use and Disposal / Sludge Management Plan

The permittee shall conduct all sewage sludge use or disposal activities in accordance with the Sludge Management Plan (SMP) approved with the issuance of this permit. Any proposed changes in the sewage sludge use or disposal practices or procedures followed by the permittee shall be documented and submitted for DEQ and Department of Health approval 90 days prior to the effective date of the changes. Upon approval, the revised SMP becomes an enforceable part of the permit. The permit may be modified or alternatively revoked and reissued to incorporate limitations or conditions necessitated by substantive changes in sewage sludge use or disposal practices.

## 12. Nutrient Reporting Calculations

For each calendar month, the DMR shall show the calendar year-to-date average concentration (mg/L) calculated in accordance with the following formulae:

$$AC_{avg-YTD} = (\text{sum}(\text{Jan-current month}) MC_{avg}) \div (\# \text{ of months})$$

where:

$AC_{avg-YTD}$  = calendar year-to-date average concentration (mg/L) (parameter codes 805 and 806)

$MC_{avg}$  = monthly average concentration (mg/L) as reported on DMR

The total nitrogen and phosphorus average concentrations (mg/L) for each calendar year (AC) shall be shown on the December DMR due January 10th of the following year. These values shall be calculated in accordance with the following formulae:

$$AC_{avg} = (\text{sum}(\text{Jan-Dec}) MC_{avg}) \div 12$$

where:

$AC_{avg}$  = calendar year average concentration (mg/L) (parameter codes 792 and 794)

$MC_{avg}$  = monthly average concentration (mg/L) as reported on DMR

For Total Phosphorus, all daily concentration data below the quantification level (QL) for the analytical method used should be treated as half the QL. All daily concentration data equal to or above the QL for the analytical method used shall be treated as it is reported.

For Total Nitrogen (TN), if none of the daily concentration data for the respective species (i.e., TKN, Nitrates/Nitrites) are equal to or above the QL for the respective analytical methods used, the daily TN concentration value reported shall equal one half of the largest QL used for the respective species. If one of the data is equal to or above the QL, the daily TN concentration value shall be treated as that data point is reported. If more than one of the data is above the QL, the daily TN concentration value shall equal the sum of the data points as reported.

## C. Pretreatment - Significant Discharger Survey

1. Within 180 days of the effective or modification date of this permit, the permittee shall submit to the DEQ Regional Office a survey of all Industrial Users discharging to the POTW. The information shall be submitted on the DEQ Discharger Survey Form, or an equivalent form that includes the quantity and quality of the wastewater. Survey results shall include the identification of significant industrial users of the POTW.
2. If Categorical User(s) are identified, or if the permittee or DEQ determines that the industrial user(s) have potential to adversely affect the operation of the POTW or cause violations of Federal, State or local standards or requirements, the permittee shall develop and submit to the DEQ Regional Office, within one year of written notification by DEQ, a pretreatment program for approval. The program shall enable the permittee to control by permit the Significant Industrial Users\* discharging wastewater to the treatment works.
3. Should evaluation by the DEQ of results of the Industrial User survey conducted in accordance with (1) above indicate that the permittee is not required to implement a pretreatment program, the requirements for program development described in (4) below may be suspended by DEQ.
4. The approvable pretreatment program submission shall at a minimum contain the following parts:
  - a. Legal Authority,
  - b. Program Procedures,
  - c. Funding and Resources,
  - d. Local limits evaluation, and local limits if needed,
  - e. Enforcement response plan,
  - f. List of Significant Industrial Users,
5. Where the permittee is required to develop a pretreatment program, they shall submit to the DEQ Regional Office an annual report that describes the permittee's program activities over the previous year. The annual report shall be submitted no later than January 31 of each year and shall include:
  - a. An updated list of Significant Industrial Users\* showing the categorical standards and local limits applicable to each.
  - b. A summary of the compliance status of each Significant Industrial User with pretreatment standards and permit requirements.

- c. A summary of the numbers and types of Significant Industrial User sampling and inspections performed by the POTW.
  - d. All information concerning any interference, upset, VPDES permit or Water Quality Standards violations directly attributable to Significant Industrial Users and the enforcement actions taken to alleviate said events.
  - e. A description of all enforcement actions taken against Significant Industrial Users over the previous 12 months.
  - f. A summary of any changes to the submitted pretreatment program that have not been previously reported to the DEQ Regional Office.
  - g. A summary of the permits issued to Significant Industrial Users since the last annual report.
  - h. POTW and self-monitoring results for Significant Industrial Users determined to be in significant non-compliance during the reporting period.
  - i. Results of the POTW's influent, effluent, and sludge sampling not previously submitted to DEQ.
  - j. Copies of newspaper publications of all Significant Industrial Users in significant non-compliance during the reporting period. This is due no later than March 31 of each year.
  - k. Signature of authorized representative.
6. The DEQ may require the POTW to institute changes to the legal authority regarding Significant Industrial User permit(s):
- a. If the legal authority does not meet the requirements of the Clean Water Act, Water Control Law or State Regulations;
  - b. If problems such as interferences, pass through, violations of water quality standards or sludge contamination develop or continue; and
  - c. If Federal, State or local requirements change.

\* A significant industrial user is one that:

- 1. Has a process wastewater (\*\*) flow of 25,000 gallons or more per average workday;

2. Contributes a process wastestream that makes up 5 percent or
3. more of the average dry weather hydraulic or organic capacity of the POTW;
4. Is subject to the categorical pretreatment standards; or
5. Has significant impact, either singularly or in combination with other Significant Dischargers, on the treatment works or the quality of its' effluent.

\*\* Excludes sanitary, non-contact cooling water, and boiler blowdown.

## CONDITIONS APPLICABLE TO ALL VPDES PERMITS

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under Title 40 Code of Federal Regulations Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.

B. Records.

1. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The individual(s) who performed the sampling or measurements;
  - c. The date(s) and time(s) analyses were performed;
  - d. The individual(s) who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.
2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

C. Reporting Monitoring Results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to:

Department of Environmental Quality  
Tidewater Regional Office  
5636 Southern Boulevard  
Virginia Beach, VA 23462

2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the Department.
3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under Title 40 of the Code of Federal Regulations Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the Department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information.

The permittee shall furnish to the Department, within a reasonable time, any information which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.



F. Unauthorized Discharges.

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges.

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the Department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the Department, within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the Department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges.

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the Department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the Department within five days of discovery of the discharge in accordance with Part II I 2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of Noncompliance

The permittee shall report any noncompliance which may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this paragraph:
  - a. Any unanticipated bypass; and
  - b. Any upset which causes a discharge to surface waters.
2. A written report shall be submitted within 5 days and shall contain:
  - a. A description of the noncompliance and its cause;
  - b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
  - c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The Board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Parts II I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 2.

NOTE: The immediate (within 24 hours) reports required in Parts II G, H and I may be made to the Department's Regional Office at (757) 518-2000 (voice) or (757) 518-2009 (fax). For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24 hour telephone service at 1-800-468-8892.

J. Notice of Planned Changes.

1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
  - a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:
    - (1) After promulgation of standards of performance under Section 306 of Clean Water Act which are applicable to such source; or
    - (2) After proposal of standards of performance in accordance with Section 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal;
  - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
  - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit,

including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements.

1. Applications. All permit applications shall be signed as follows:
  - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
  - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
  - c. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. Reports, etc. All reports required by permits, and other information requested by the Board shall be signed by a person described in Part II K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - a. The authorization is made in writing by a person described in Part II K 1;
  - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
  - c. The written authorization is submitted to the Department.
3. Changes to Authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the Department prior to or together with any reports, or information to be signed by an authorized representative.
4. Certification. Any person signing a document under Parts II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with

certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply.

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Board. The Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit.

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges.

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to Mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass.

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II U 2 and U 3.

2. Notice

- a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least ten days before the date of the bypass.
- b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.

3. Prohibition of bypass.

- a. Bypass is prohibited, and the Board may take enforcement action against a permittee for bypass, unless:
  - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
  - (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
  - (3) The permittee submitted notices as required under Part II U 2.
- b. The Board may approve an anticipated bypass, after considering its adverse effects, if the Board determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:



- a. An upset occurred and that the permittee can identify the cause(s) of the upset;
  - b. The permitted facility was at the time being properly operated;
  - c. The permittee submitted notice of the upset as required in Part II I; and
  - d. The permittee complied with any remedial measures required under Part II S.
3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry.

The permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit Actions.

Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits.

1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part II Y 2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.
2. As an alternative to transfers under Part II Y 1, this permit may be automatically transferred to a new permittee if:
  - a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;
  - b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
  - c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability.

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.